

<b>NWS CHANGE FORM PART A</b>			1. DATE SUBMITTED  5/3/2000
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).			
2. ORIGINATOR OFFICE  W/OSO15	3. SUBMITTING AUTHORITY Name: John McNulty Routing Code: W/OSO	4. COGNIZANT TECHNICAL INDIVIDUAL Name: Douglas Walls Routing Code: W/OSO151 Phone: (301) 713-1743 x 147	5. ORIGINATOR TRACKING NUMBER  NWWWS 001  ECP
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input checked="" type="checkbox"/> OTHER (specify) NWWWS			7. WSH TRACKING NUMBER  <b>NWS 554</b>
8. TITLE OF CHANGE Replacement NOAA Weather Wire Service (NWWWS) - Phase I (Serial connection)			
9. TYPE OF CHANGE <input checked="" type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY		10. SITES AFFECTED (Attach Part B, Page 2, if needed)  13 WFO/RFC, 2 WFO, and 6 Centers (see attachment 1)	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.)  Contract for existing (old) NWWWS has expired, a new contract for a new systems has been awarded. The new system has higher capacity and is more robust than existing NWWWS, but uses different hardware and distribution topology.  The replacement NOAA Weather Wire Service ( NWWWS 2000), will be implemented on or about June, 2000. An ICD has been developed (attachment 1), which describes the interface connection and data protocol. Phase 1 of the NWWWS 2000 uses the existing asynchronous serial interface on AWIPS.			
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.)  The contract for the replacement NOAA NWWWS has been awarded. The new Two-way terminals will communicate with AWIPS via a serial interface or a LAN interface. The proposed solution for the NWWWS 2000 is to use the existing serial interface until such time as the software for an ethernet implementation (LAN) of the interface can be written (Phase II, to be submitted under a separate Request for Change will address the LAN interface)			
13. ALTERNATE SOLUTIONS  None, as the NOAA NWWWS 2000 contract is in place. Associated with NWWWS 2000 are new hardware and uplinks, therefore old system cannot be used.			
14. REQUIRED CHANGE DATE  April 2000	15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.)  In order to meet contract schedule, installation of terminals will start during March 2000 and Operational Capability is required in time to perform Site Acceptance testing during March / April 2000.		
<b>CCB/PMC/CMB DECISION</b>			
16. DECISION AUTHORITY LEVEL	<input type="checkbox"/> CCB LEVEL ONLY <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED	SIGNATURE	
		DATE SIGNED	
<b>FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED</b>			
18. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SIGNATURE	
		DATE SIGNED	



<b>NWS CHANGE FORM</b> <b>PART B</b>		1. ORIGINATOR TRACKING NUMBER NWWS 001	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWWS 554	
<b>FUNDING INFORMATION</b>			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) Cost for AWIPS software to handle SERIAL interface is included as part of the build 4.3 effort. (Necessary software modifications have been included in AWIPS build 3.)			AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) AWIPS related Test and evaluation at NCF installation AWIPS related test & evaluation at other 20 sites.			AMOUNT
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs)			AMOUNT
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs)			AMOUNT
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) Connection of serial interface between Calypso 2-way terminal and AWIPS at all sites			AMOUNT
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits)			AMOUNT
<b>SUPPORTING INFORMATION AND SCHEDULES</b> Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) Test new terminal and Software at NCF March 20-24, 2000		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.)	
12. IMPLEMENTATION/RETROFIT SCHEDULE Install system at NCF 3/00, start install at other sites 3/00		13. FACILITY INFORMATION (Attach facility drawings/plans.)	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) Contractor Provided		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each) N/A		17. COORDINATION OF CHANGE WITH OTHER CHANGES	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) ICD update complete. Update to A-spec. To reflect new ICD		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.)	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.)		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) Disconnect and de-commission OLD NWWS systems.			

# NWS CHANGE FORM

2. WSH TRACKING NUMBER  
NWS 554

3. ITEM NAME,  
CIRCUIT TYPE,  
SOFTWARE VERSION,  
OR SITE LOCATION

## 5. SUPERSEDED ITEM OR CONFIGURATION

B. SERIAL NUMBER(S) OR  
COMMENTS

7. DOO  
TYPE

A. IDENTIFIER
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B. REV	A. IDENTIFIER	B. REV
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<b>NWS CHANGE FORM</b> <b>PART C</b>		1. ORIGINATOR TRACKING NUMBER NWS 001	
WSH is responsible for Part C, but submitters may complete sections that would help clarify the change requirement or the necessary implementation actions.		2. WSH TRACKING NUMBER  NWS 554	
<b>3. CCB COST EVALUATION</b>  <div style="display: flex; justify-content: space-between;"> <span>NWS COST \$</span> <span>FAA COST \$</span> <span>DOD COST \$</span> <span>OTHER AGENCY COST \$</span> <span>TOTAL COST \$</span> </div> (SPECIFY)_____			
<b>4. IMPLEMENTATION DOCUMENTS REQUIRED</b>  <input type="checkbox"/> Engineering Modification Note <input checked="" type="checkbox"/> Software Release Notes (build 4.3) <input type="checkbox"/> Other Document (Specify)_____			
ADDITIONAL IMPLEMENTATION INSTRUCTIONS (e.g., Implementation schedule, parts shipping instructions, equipment disposal procedures, additional documentation required, and status reporting instructions.) Include documentation, data input, notification vehicle, or specific action step required to verify completion of the implementation activity.			
<b>5. IMPLEMENTATION ACTIVITY REQUIRED</b>	<b>6. REQUIRED COMPLETION DATE</b>	<b>7. RESPONSIBLE PERSON AND OFFICE</b>	<b>8. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION</b>
Review and Approval of new ICD by all users.  Test new Calypso 2-way terminal at NCF  Site Installation and Testing of NOAA NWS2000 at all sites  Decommission of OLD NOAA NWS  Ensure the change is reported to the Weather Service Headquarters (WSH) through the Engineering Management Reporting System (EMRS) according to the instructions in the Engineering Handbook number 4, part2. Record this RC number (NWS 554) in Block 17a of the EMRS report.  Ensure the appropriate WSH management information systems and configuration management data bases are updated to reflect these changes	3/24/00  3/24/00  5/1/00  7/31/00  7/31/00  8/31/00	  G. Mejia, W/OSO151      ESA at each Site Affected      Michelle deTomaso (W/OSO113)	